

François Ier



INRA

SCIENCE & IMPACT

Collection Vassal-Montpellier

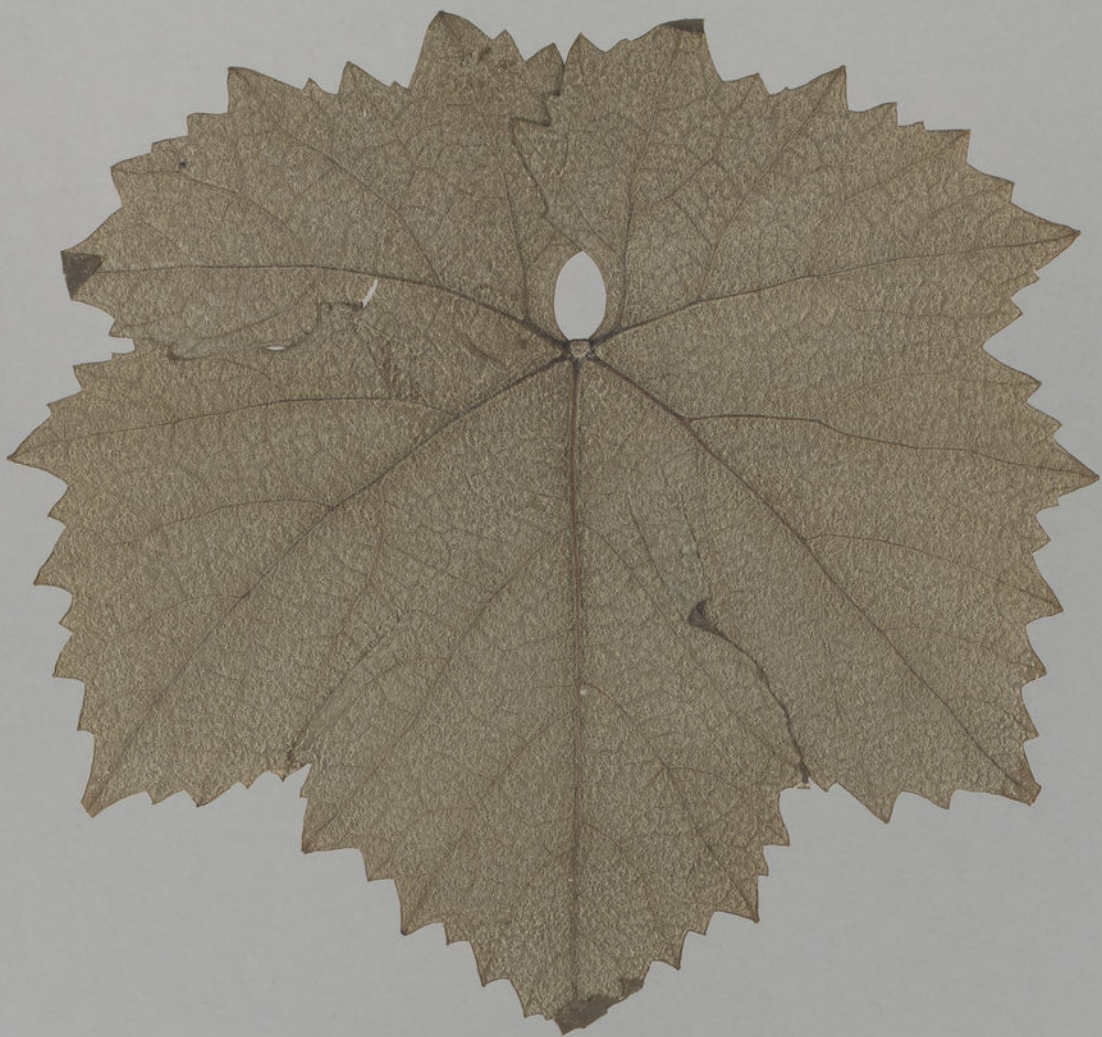
695Mtp1

François Ier

55123

55123  
François Ier  
695Mtp1















Désignation : François 1<sup>er</sup>.

Clos Planche 5 Côté S N° 123

Vigueur 2.

Charge :

Date de maturité :

3-9-57

+2

A. 3:2.

S:1.

Pr: 2. 2<sup>e</sup> époque

Désignation : François 1<sup>er</sup>

Clos Planche 5 Côté S N° 123

Vigueur : 2

Charge :

Date de maturité :

19-8-57

Pr: 2

+1

A 1 - 0

2 - 0

3 - 4

4 - 1

5 - 1

1<sup>e</sup> époque

Pr: 2

Désignation : François 1<sup>er</sup>

Clos Planche 5 Côté S N° 123

Vigueur : 2

Date de maturité :

le 18-8-1958

+1

Charge :

s. 1 5

2 5

3 6

4 0

5 0



Année 1956

François 1<sup>er</sup>

N°

Planche

Côté

55123

	Nombre total	D A T E S							
		19	22.	24.	27.	30	3		
1									
2									
3	4	0	0	0	0	1	3		
4	4	0	0	1	2	4	4		
5	4	0	0						

II

27.3.56

D

+1

Année 1957

François I<sup>er</sup>

N°

Planche

Côté

55123

	Nombre total	D A T E S							
		12.3							
1									
2									
3	4	2							
4	4	3							
5	4	4							

II<sup>e</sup>

de 11-3-57

+2



Année 1958.

François 1<sup>er</sup>

N° . . . . . Planche . . . . . Côté . 58123 . . . . .

	Nombre total	D A T E S									
		29/3	.	.	.	.	.	.	.	.	.
1	.	.	.	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.	.	.	.
4	6.	5.	1.	.	.	.	.	.	.	.	.
5	4.	2.	x.	.	.	.	.	.	.	.	.

s.  
coulées

D le 28-3-58

+5

II<sup>e</sup>



Désignation :

François 1er

VASSAL

Planche

5

Côté

5

N°

123

Seuche

1

2

3

4

5

(A) BOURGEONNEMENT.

Colonne

31 - épanoui 4 - moyen 5 - globuleux 6.

32 - glabre 4 - sétueux 5 - velouté 6 - aranéeux 7 -

duveteux 8 - cotonneux 9.

30 - blanc 0 - fauve ou roux 1 - carminé 2 - à liseré

carminé 3 - cuivré 4 - Jaune 5 - à plages bronzées 6 -

entièrement bronzé 7 - vert 8 - autre 9.

(D) JEUNES FEUILLES DU HAUT.

31 - étalées 7 - en gouttière 8 - autres 9.

39 - glabres 4 - sétueuses 5 - Veloutées 6 - aranéeuses 7 -

duveteuses 8 - cotonneuses 9.

29 - blanche 0 - fauves ou rousses 1 - carminées 2 -

à liseré carminé 3 - cuivrées 4 - jaunes 5 - à plages

bronzées 6 - entièrement bronzées 7 - vertes 8 - autres 9.

Dans le cas où la première feuille détachée est à liseré carminé,  
la couleur de la 2° et de la 3° feuille détachées sera notée.

Daranieux

Black  
16-5-56



Désignation :

Francois 1<sup>er</sup>

VASSAL

Planche

V

Côté

S

N° 123

Souche

1 2

3

4 5

(A) BOURGEONNEMENT

Colonne

- 31 - épanoui (4) - moyen 5 - globuleux 6 .  
32 - glabre 4 - séteux 5 - velouté 6 - aranéeux 7 -  
duveteux 8 - cotonneux (9).  
30 - blanc (0) - fauve ou roux 1 - carminé 2 - à liseré  
carminé (3) - cuivré 4 - jaune 5 - à plages brou-  
zées 6 - entièrement bronzé 7 - vert 8 -  
autre 9 .

(D) JEUNES FEUILLES DU HAUT

- 31 - étalées (7) - en gouttière 8 - autres (X).  
39 - glabres 4 - séteuses 5 - veloutées 6 - aranéeu-  
ses 7 - duveteuses 8 - cotonneuses (9).  
29 - blanches 0 - fauves ou rousses 1 - carminées 2 -  
à liseré carminé 3 - cuivrées 4 - jaunes 5 - à  
plages bronzées (6) - entièrement bronzées 7 - ver-  
tes 8 - autres 9 . Dans le cas où la première feuille  
détachée est à liseré carminé, la couleur de la 2<sup>o</sup> et de  
la 3<sup>o</sup> feuille détachées sera notée.

R. Sahuo



N° ordre

Désignation :

*François 1er*

*faible*

VASSAL

Planche *5* côté *S* N° *123* souche 1 2 *3* 4 5

(E) JEUNES FEUILLES DU BAS

Colonne

- 26 - glabre 4 - sétueux 5 - velouté *6* - aranéeux 7 -  
duveteux 8 - cotonneux *9*.  
27 - sur nervures *7* - sur limbe *8*.  
27 - à limbe plan 1 - en gouttière 2 - involuté 3 -  
révoluté *4* - tourmenté 5.  
28 - à lobes: plan 1 - en gouttière 2 - involuté 3 -  
révoluté *4* - tourmenté 5.  
29 - blanc 0 - fauve ou roux 1 - carminé 2 - à liseré  
carminé 3 - cuivré 4 - jaune 5 - à plages bron-  
zées 6 - entièrement bronzé 7 - vert *8* - autre 9.  
30 - à pétiole glabre 4 - sétueux *5* - velouté 6 - ara-  
néeux *7* - duveteux 8 - cotonneux 9.  
31 - totalement *1* - sillon 2.

(F) RAMEAU HERBACE AU VOISINAGE DE LA FLORAISON

- 31 - à contour uni 7 - anguleux 8 - côtelé *9*.  
32 - glabre 2 - à épines ou analogues 3 - à poils mas-  
sifs 4 - sétueux 5 - velouté 6 - aranéeux *7* -  
duveteux 8 - cotonneux 9.  
33 - entièrement 1 - partiellement *2*. *aux noeuds.*  
34 - vert 1 - coloré d'un seul côté 2 - à raies colo-  
rées 3 - à noeuds colorés 4 - coloré 5 - autre 6.  
34 - entièrement 7 - partiellement 8.

(I) FLEUR

- 35 - bouton floral: gros 1 - moyen 2 - petit 3.  
35 - morphologiquement: mâle 7 - hermaphrodite 8 - femel-  
le 9.

24 MAI 1955 par *de Beau*  
*Tuel*

R. Sahuc .28.5.54



N° ordre

Designation :

*François I<sup>er</sup>*

VASSAL

Planche

*5*

côté

*S*

N° *123*

souche 1 2 3 4 5

(F) RAMEAU HERBACE AU VOISINAGE DE LA FLORAISON

Colonne

- 36 - mérithalle : dos coloré *1* - à raies 2 - vert 3  
ventre coloré *7* - à raies 8 - vert 9.
- 37 - noeuds : dos coloré 1 - à raies *2* - vert *3*  
ventre coloré 7 - à raies *8* - vert *9*
- 38 - vrille : verte *1* - jaune 2 - rouge clair *3* = la base  
rouge foncé 4.
- 38 - bourgeon : coloré 7 - vert *8*.

(I) FLEUR

- 39 - morphologiquement : mâle 7 - hermaphrodite 8 - femelle 9.

9 JUIN 1955

*28-6-56 Rouquet*



N° ordre

Désignation :

VASSAL                      Planche 5   côté 5   N° 423   souche 1. 2. 3. 4. 5.

(F) RAMEAU HERBACE AU VOISINAGE DE LA FLORAISON.

Colonne

- 36 - mérithalle : dos coloré 1 - à raies 2 - vert 3.  
                              ventre coloré 7 - à raies 8 - vert 9.
- 37 - nœuds        : dos coloré 1 - à raies 2 - vert 3.  
                              ventre coloré 7 - à raies 8 - vert 9.
- 38 - vrille        : verte 1 - jaune 2 - rouge clair 3 -  
                              rouge foncé 4.
- 39 - bourgeon    : coloré 7 - vert 8.

(I) FLEUR

- 39 - morphologiquement : mâle 7 - hermaphrodite 8 - Femelle 9.

BKuch

30.6.56



N° ordre

Désignation *François 1°*

VASSAL planche 5 côté 5 N° 123 souche 1 2 (3) 4 5

FEUILLE ADULTE

- Petite (1) - moyenne (2) - grande 3 .
- Face supérieure: ~~limbe et nervures~~: glabre 4 - sétueux (5)  
velouté 6 - aranéeux (7) - duveteux 8 - cotonneux 9.
- Face inférieure: nervures: glabre 4 - sétueux (5) - velouté 6  
aranéeux (7) - duveteux (8) - cotonneux 9 .  
limbe: glabre 4 - sétueux (5) - velouté 6 -  
aranéeux 7 - duveteux (8) - cotonneux 9 .
- Limbe : plan (1) - en gouttière 2 - involuté 3 -  
révoluté 4 - tourmenté (5) .
- Lobes : plan 1 - en gouttière 2 - involuté 3 -  
révoluté (4) - tourmenté 5 .
- Surface: unie 1 - ondulée 2 - finement bullée (3) -  
grossièrement bullée 4 - gaufrée 5 -  
plissée au point pétiolaire 6 .
- Nervures: face supérieure: verte (1) - point pétiolaire rouge 2  
partiellement rouge 3 - entièrement rouge 4.  
face inférieure: verte (1) - partiellement rouge 3 -  
entièrement rouge 4 .
- Couleur: vert jaune 1 - vert franc (2) - vert foncé 3 -  
vert plombé 4 - autre 5 .

PETIOLE

- long 1 - moyen 2 - court (3) .
- glabre 4 - sétueux (5) - velouté 6 - sillon 7 -  
partiellement (8) - totalement 9 .
- aranéeux 4 - duveteux 5 - cotonneux 6 - partiellement 7  
totalement 8.
- coloré 1 - partiellement coloré (2) - autre 3
- angle pétiole/limbe : inférieur à 90° (1) - égal à 90° (2) -  
supérieur à 90° (3) .
- angle pétiole/rameau: inférieur à 90° (1) - égal à 90° (2) -  
supérieur à 90° (3) .

*But - 1 AOUT 1955*



N° ordre

Désignation

Francois 1<sup>er</sup>

VASSAL planche 5 côté 5 N° 123 souche 1 2 3 4 5

FEUILLE ADULTE

- Petite 1 - moyenne 2 - grande 3.
- Face supérieure : limbe et nervures : glabre 1 - sétueux 5 - velouté 6 - aranéeux 7 - duveteux 8 - cotonneux 9.
- Face inférieure : nervures : glabre 4 - sétueux 5 - velouté 6 - aranéeux 7 - duveteux 8 - cotonneux 9.  
limbe : glabre 4 - sétueux 5 - velouté 6 - aranéeux 7 - duveteux 8 - cotonneux 9.
- Limbe : plan 1 - en gouttière 2 - involuté 3 - révoluté 4 - tourmenté 5.
- Lobes : plan 1 - en gouttière 2 - involuté 3 - révoluté 4 - tourmenté 5.
- Surface : unie 1 - ondulée 2 - finement bullée 3 - grossièrement bullée 4 - gaufrée 5 - plissée au point pétiolaire 6.
- Nervures : face supérieure : verte 1 - point pétiolaire rouge 2 - partiellement rouge 3 - entièrement rouge 4.  
face inférieure : verte 1 - partiellement rouge 3 - entièrement rouge 4.
- Couleur : vert jaune 1 - vert franc 2 - vert foncé 3 - vert plombé 4 - autre 5.

PETIOLE

- Long 1 - moyen 2 - court 3
- glabre 1 - sétueux 5 - velouté 6 - sillon 7 - partiellement 8 - totalement 8.
- aranéeux 4 - duveteux 5 - cotonneux 6 - partiellement 7 - totalement 8.
- coloré 1 - partiellement coloré 2 - autre 3.
- angle pétiole/limbe : inférieur à 90° (1) - égal à 90° (2) - supérieur à 90° (3).
- angle pétiole/rameau : inférieur à 90° (1) - égal à 90° (2) - supérieur à 90° (3).

DRach  
23.8.08



N° d'Ordre

Désignation *François 1°*

*5.8-*

VASSAL planche 5 côté S N°123 souche 1 2 (3) 4 5

GRAPPE

- Grosse 1 - Moyenne (2) - Petite 3.
- Lâche 4 - Moyenne (5) - Compacte 6.
- à pédoncule non visible 7 - visible (8) - long 9
- à pédoncule herbacé (1) - mi aoûté 2 - aoûté jusqu'à la première ramification 3.

BAIE

- Très grosse 1 - Grosse (2) - Moyenne 3 - Petite 4 -  
Très petite 5 - de taille régulière (7) - irrégulière 8.
- de couleur blanc (1) - gris 2 - rose 3 - rouge 4 - noir 5.
- Très pruiné 7 - Pruinée (8) - non pruinée 9.
- Coloration régulière (1) - irrégulière 2.
- Forme : discoïde 0 - sphéroïde 1 - ellipsoïde (2) - ovoïde 3  
troncovoïde 4 - obovoïde 5 - cylindroïde 6 -  
fusiforme 7 - arquée 8 - autre 9.
- à ombilic persistant (1) - non persistant 2.
- à section transversale : régulière (3) - irrégulière 4 -  
côtelée 5.
- à jus incolore (1) - coloré 2.
- à peau fine (3) - moyenne 4 - épaisse 5.
- à pulpe charnue 6 - juteuse 7 - molle (8).
- à saveur neutre (1) - fade 2 - musquée 3 - aromatique 4 -  
foxée 5 - herbacée 6 - spéciale 7.
- à pédicelle long 1 - moyen 2 - court (3).
- à pédicelle de couleur : verte (4) - rouge 5 - irrégulière 6.
- à bourrelet de couleur verte (7) - rouge 8 - irrégulière 9.
- à bourrelet : évident (1) - peu apparent 2.
- à pinceau : court 4 - moyen (5) - long 6.
- à pinceau : coloré 8 - non coloré (9).
- de séparation facile (égrenueuse) 1 - difficile (2) -

*Piquemal 22-8-57*



Dénomination ..... *Francis 1<sup>er</sup>* .....

Planche ..... *5* ..... côté ..... *5* ..... Rang *123* ... souche 1-2-3-4-5.

Sarment de Vigne.

- Sarment : long (1), moyen (2), court (3).  
" : grêle (1), fort (2).  
" : ramifié (1), peu ramifié (2).  
Ecorce : adhérente avec lenticelles (1), résistante se détachant en lames (2).  
Section transversale : circulaire (1), elliptique (2), aplatie (3), autre (4).  
Surface : unie (1), anguleuse (2), striée (3), côtelée (4).  
" : pruinée (1), partiellement pruinée (2), non pruinée (3).  
" : glabre (2), à épines ou analogues (3), à poils massifs (4), seteux (5), velouté (6), aranéeux (7), duveteux (8), cotonneux (9).  
" : entièrement (1), partiellement (2), sur les noeuds (3).  
Villosité : blanche (1), fauve ou rousse (2), grise (3).  
Noeuds : aplatis (1), effacés (2), globuleux (3), saillants (4).  
Mérithalle de longueur moyenne : ... *5-10* ... cms.  
" : gris (1), jaune (2), beige (3), marron clair (4), marron foncé (5), brun rouge (6), violacé (7), autre (8).  
" : uniforme (1), à raies (2), bandes (3) ou noeuds (4).  
" : plus foncé (0), de couleur gris (1), jaune (2), beige (3), marron clair (4), marron foncé (5), brun rouge (6), violacé (7), autre (8).  
Yeux : pointus en dard (1), conique (2), arrondis (3).  
" : marron (1), brun rouge (2), gris (3).  
Cordon pétioleaire : étroit (1), large (2).  
" : saillant (1), effacé (2).  
" : sinueux (1), rectiligne perpendiculaire (2), rectiligne descendant (3), rectiligne ascendant (4).

*Bonal*  
*27.11.56*



N° d'ordre : . . . . . Désignation: *François pr.* . . .  
Origine : . . . . .  
Emplacement : . . . . . Vas. *55.123.* Vign. . . . .

8 - Angle des nervures . . . . . 1 - ~~2~~ - ~~3~~ - ~~4~~ - ~~5~~ - ~~6~~ - ~~7~~ - ~~8~~ - ~~9~~ - ~~10~~ - ~~11~~ - ~~12~~ - ~~13~~ - ~~14~~ - ~~15~~ - ~~16~~ - ~~17~~ - ~~18~~ - ~~19~~ - ~~20~~ - ~~21~~ - ~~22~~ - ~~23~~ - ~~24~~ - ~~25~~ - ~~26~~ - ~~27~~ - ~~28~~ - ~~29~~ - ~~30~~ - ~~31~~ - ~~32~~ - ~~33~~ - ~~34~~ - ~~35~~ - ~~36~~ - ~~37~~ - ~~38~~ - ~~39~~ - ~~40~~ - ~~41~~ - ~~42~~ - ~~43~~ - ~~44~~ - ~~45~~ - ~~46~~ - ~~47~~ - ~~48~~ - ~~49~~ - ~~50~~ - ~~51~~ - ~~52~~ - ~~53~~ - ~~54~~ - ~~55~~ - ~~56~~ - ~~57~~ - ~~58~~ - ~~59~~ - ~~60~~ - ~~61~~ - ~~62~~ - ~~63~~ - ~~64~~ - ~~65~~ - ~~66~~ - ~~67~~ - ~~68~~ - ~~69~~ - ~~70~~ - ~~71~~ - ~~72~~ - ~~73~~ - ~~74~~ - ~~75~~ - ~~76~~ - ~~77~~ - ~~78~~ - ~~79~~ - ~~80~~ - ~~81~~ - ~~82~~ - ~~83~~ - ~~84~~ - ~~85~~ - ~~86~~ - ~~87~~ - ~~88~~ - ~~89~~ - ~~90~~ - ~~91~~ - ~~92~~ - ~~93~~ - ~~94~~ - ~~95~~ - ~~96~~ - ~~97~~ - ~~98~~ - ~~99~~ - ~~100~~ - ~~101~~ - ~~102~~ - ~~103~~ - ~~104~~ - ~~105~~ - ~~106~~ - ~~107~~ - ~~108~~ - ~~109~~ - ~~110~~ - ~~111~~ - ~~112~~ - ~~113~~ - ~~114~~ - ~~115~~ - ~~116~~ - ~~117~~ - ~~118~~ - ~~119~~ - ~~120~~ - ~~121~~ - ~~122~~ - ~~123~~ - ~~124~~ - ~~125~~ - ~~126~~ - ~~127~~ - ~~128~~ - ~~129~~ - ~~130~~ - ~~131~~ - ~~132~~ - ~~133~~ - ~~134~~ - ~~135~~ - ~~136~~ - ~~137~~ - ~~138~~ - ~~139~~ - ~~140~~ - ~~141~~ - ~~142~~ - ~~143~~ - ~~144~~ - ~~145~~ - ~~146~~ - ~~147~~ - ~~148~~ - ~~149~~ - ~~150~~ - ~~151~~ - ~~152~~ - ~~153~~ - ~~154~~ - ~~155~~ - ~~156~~ - ~~157~~ - ~~158~~ - ~~159~~ - ~~160~~ - ~~161~~ - ~~162~~ - ~~163~~ - ~~164~~ - ~~165~~ - ~~166~~ - ~~167~~ - ~~168~~ - ~~169~~ - ~~170~~ - ~~171~~ - ~~172~~ - ~~173~~ - ~~174~~ - ~~175~~ - ~~176~~ - ~~177~~ - ~~178~~ - ~~179~~ - ~~180~~ - ~~181~~ - ~~182~~ - ~~183~~ - ~~184~~ - ~~185~~ - ~~186~~ - ~~187~~ - ~~188~~ - ~~189~~ - ~~190~~ - ~~191~~ - ~~192~~ - ~~193~~ - ~~194~~ - ~~195~~ - ~~196~~ - ~~197~~ - ~~198~~ - ~~199~~ - ~~200~~ - ~~201~~ - ~~202~~ - ~~203~~ - ~~204~~ - ~~205~~ - ~~206~~ - ~~207~~ - ~~208~~ - ~~209~~ - ~~210~~ - ~~211~~ - ~~212~~ - ~~213~~ - ~~214~~ - ~~215~~ - ~~216~~ - ~~217~~ - ~~218~~ - ~~219~~ - ~~220~~ - ~~221~~ - ~~222~~ - ~~223~~ - ~~224~~ - ~~225~~ - ~~226~~ - ~~227~~ - ~~228~~ - ~~229~~ - ~~230~~ - ~~231~~ - ~~232~~ - ~~233~~ - ~~234~~ - ~~235~~ - ~~236~~ - ~~237~~ - ~~238~~ - ~~239~~ - ~~240~~ - ~~241~~ - ~~242~~ - ~~243~~ - ~~244~~ - ~~245~~ - ~~246~~ - ~~247~~ - ~~248~~ - ~~249~~ - ~~250~~ - ~~251~~ - ~~252~~ - ~~253~~ - ~~254~~ - ~~255~~ - ~~256~~ - ~~257~~ - ~~258~~ - ~~259~~ - ~~260~~ - ~~261~~ - ~~262~~ - ~~263~~ - ~~264~~ - ~~265~~ - ~~266~~ - ~~267~~ - ~~268~~ - ~~269~~ - ~~270~~ - ~~271~~ - ~~272~~ - ~~273~~ - ~~274~~ - ~~275~~ - ~~276~~ - ~~277~~ - ~~278~~ - ~~279~~ - ~~280~~ - ~~281~~ - ~~282~~ - ~~283~~ - ~~284~~ - ~~285~~ - ~~286~~ - ~~287~~ - ~~288~~ - ~~289~~ - ~~290~~ - ~~291~~ - ~~292~~ - ~~293~~ - ~~294~~ - ~~295~~ - ~~296~~ - ~~297~~ - ~~298~~ - ~~299~~ - ~~300~~ - ~~301~~ - ~~302~~ - ~~303~~ - ~~304~~ - ~~305~~ - ~~306~~ - ~~307~~ - ~~308~~ - ~~309~~ - ~~310~~ - ~~311~~ - ~~312~~ - ~~313~~ - ~~314~~ - ~~315~~ - ~~316~~ - ~~317~~ - ~~318~~ - ~~319~~ - ~~320~~ - ~~321~~ - ~~322~~ - ~~323~~ - ~~324~~ - ~~325~~ - ~~326~~ - ~~327~~ - ~~328~~ - ~~329~~ - ~~330~~ - ~~331~~ - ~~332~~ - ~~333~~ - ~~334~~ - ~~335~~ - ~~336~~ - ~~337~~ - ~~338~~ - ~~339~~ - ~~340~~ - ~~341~~ - ~~342~~ - ~~343~~ - ~~344~~ - ~~345~~ - ~~346~~ - ~~347~~ - ~~348~~ - ~~349~~ - ~~350~~ - ~~351~~ - ~~352~~ - ~~353~~ - ~~354~~ - ~~355~~ - ~~356~~ - ~~357~~ - ~~358~~ - ~~359~~ - ~~360~~ - ~~361~~ - ~~362~~ - ~~363~~ - ~~364~~ - ~~365~~ - ~~366~~ - ~~367~~ - ~~368~~ - ~~369~~ - ~~370~~ - ~~371~~ - ~~372~~ - ~~373~~ - ~~374~~ - ~~375~~ - ~~376~~ - ~~377~~ - ~~378~~ - ~~379~~ - ~~380~~ - ~~381~~ - ~~382~~ - ~~383~~ - ~~384~~ - ~~385~~ - ~~386~~ - ~~387~~ - ~~388~~ - ~~389~~ - ~~390~~ - ~~391~~ - ~~392~~ - ~~393~~ - ~~394~~ - ~~395~~ - ~~396~~ - ~~397~~ - ~~398~~ - ~~399~~ - ~~400~~ - ~~401~~ - ~~402~~ - ~~403~~ - ~~404~~ - ~~405~~ - ~~406~~ - ~~407~~ - ~~408~~ - ~~409~~ - ~~410~~ - ~~411~~ - ~~412~~ - ~~413~~ - ~~414~~ - ~~415~~ - ~~416~~ - ~~417~~ - ~~418~~ - ~~419~~ - ~~420~~ - ~~421~~ - ~~422~~ - ~~423~~ - ~~424~~ - ~~425~~ - ~~426~~ - ~~427~~ - ~~428~~ - ~~429~~ - ~~430~~ - ~~431~~ - ~~432~~ - ~~433~~ - ~~434~~ - ~~435~~ - ~~436~~ - ~~437~~ - ~~438~~ - ~~439~~ - ~~440~~ - ~~441~~ - ~~442~~ - ~~443~~ - ~~444~~ - ~~445~~ - ~~446~~ - ~~447~~ - ~~448~~ - ~~449~~ - ~~450~~ - ~~451~~ - ~~452~~ - ~~453~~ - ~~454~~ - ~~455~~ - ~~456~~ - ~~457~~ - ~~458~~ - ~~459~~ - ~~460~~ - ~~461~~ - ~~462~~ - ~~463~~ - ~~464~~ - ~~465~~ - ~~466~~ - ~~467~~ - ~~468~~ - ~~469~~ - ~~470~~ - ~~471~~ - ~~472~~ - ~~473~~ - ~~474~~ - ~~475~~ - ~~476~~ - ~~477~~ - ~~478~~ - ~~479~~ - ~~480~~ - ~~481~~ - ~~482~~ - ~~483~~ - ~~484~~ - ~~485~~ - ~~486~~ - ~~487~~ - ~~488~~ - ~~489~~ - ~~490~~ - ~~491~~ - ~~492~~ - ~~493~~ - ~~494~~ - ~~495~~ - ~~496~~ - ~~497~~ - ~~498~~ - ~~499~~ - ~~500~~ - ~~501~~ - ~~502~~ - ~~503~~ - ~~504~~ - ~~505~~ - ~~506~~ - ~~507~~ - ~~508~~ - ~~509~~ - ~~510~~ - ~~511~~ - ~~512~~ - ~~513~~ - ~~514~~ - ~~515~~ - ~~516~~ - ~~517~~ - ~~518~~ - ~~519~~ - ~~520~~ - ~~521~~ - ~~522~~ - ~~523~~ - ~~524~~ - ~~525~~ - ~~526~~ - ~~527~~ - ~~528~~ - ~~529~~ - ~~530~~ - ~~531~~ - ~~532~~ - ~~533~~ - ~~534~~ - ~~535~~ - ~~536~~ - ~~537~~ - ~~538~~ - ~~539~~ - ~~540~~ - ~~541~~ - ~~542~~ - ~~543~~ - ~~544~~ - ~~545~~ - ~~546~~ - ~~547~~ - ~~548~~ - ~~549~~ - ~~550~~ - ~~551~~ - ~~552~~ - ~~553~~ - ~~554~~ - ~~555~~ - ~~556~~ - ~~557~~ - ~~558~~ - ~~559~~ - ~~560~~ - ~~561~~ - ~~562~~ - ~~563~~ - ~~564~~ - ~~565~~ - ~~566~~ - ~~567~~ - ~~568~~ - ~~569~~ - ~~570~~ - ~~571~~ - ~~572~~ - ~~573~~ - ~~574~~ - ~~575~~ - ~~576~~ - ~~577~~ - ~~578~~ - ~~579~~ - ~~580~~ - ~~581~~ - ~~582~~ - ~~583~~ - ~~584~~ - ~~585~~ - ~~586~~ - ~~587~~ - ~~588~~ - ~~589~~ - ~~590~~ - ~~591~~ - ~~592~~ - ~~593~~ - ~~594~~ - ~~595~~ - ~~596~~ - ~~597~~ - ~~598~~ - ~~599~~ - ~~600~~ - ~~601~~ - ~~602~~ - ~~603~~ - ~~604~~ - ~~605~~ - ~~606~~ - ~~607~~ - ~~608~~ - ~~609~~ - ~~610~~ - ~~611~~ - ~~612~~ - ~~613~~ - ~~614~~ - ~~615~~ - ~~616~~ - ~~617~~ - ~~618~~ - ~~619~~ - ~~620~~ - ~~621~~ - ~~622~~ - ~~623~~ - ~~624~~ - ~~625~~ - ~~626~~ - ~~627~~ - ~~628~~ - ~~629~~ - ~~630~~ - ~~631~~ - ~~632~~ - ~~633~~ - ~~634~~ - ~~635~~ - ~~636~~ - ~~637~~ - ~~638~~ - ~~639~~ - ~~640~~ - ~~641~~ - ~~642~~ - ~~643~~ - ~~644~~ - ~~645~~ - ~~646~~ - ~~647~~ - ~~648~~ - ~~649~~ - ~~650~~ - ~~651~~ - ~~652~~ - ~~653~~ - ~~654~~ - ~~655~~ - ~~656~~ - ~~657~~ - ~~658~~ - ~~659~~ - ~~660~~ - ~~661~~ - ~~662~~ - ~~663~~ - ~~664~~ - ~~665~~ - ~~666~~ - ~~667~~ - ~~668~~ - ~~669~~ - ~~670~~ - ~~671~~ - ~~672~~ - ~~673~~ - ~~674~~ - ~~675~~ - ~~676~~ - ~~677~~ - ~~678~~ - ~~679~~ - ~~680~~ - ~~681~~ - ~~682~~ - ~~683~~ - ~~684~~ - ~~685~~ - ~~686~~ - ~~687~~ - ~~688~~ - ~~689~~ - ~~690~~ - ~~691~~ - ~~692~~ - ~~693~~ - ~~694~~ - ~~695~~ - ~~696~~ - ~~697~~ - ~~698~~ - ~~699~~ - ~~700~~ - ~~701~~ - ~~702~~ - ~~703~~ - ~~704~~ - ~~705~~ - ~~706~~ - ~~707~~ - ~~708~~ - ~~709~~ - ~~710~~ - ~~711~~ - ~~712~~ - ~~713~~ - ~~714~~ - ~~715~~ - ~~716~~ - ~~717~~ - ~~718~~ - ~~719~~ - ~~720~~ - ~~721~~ - ~~722~~ - ~~723~~ - ~~724~~ - ~~725~~ - ~~726~~ - ~~727~~ - ~~728~~ - ~~729~~ - ~~730~~ - ~~731~~ - ~~732~~ - ~~733~~ - ~~734~~ - ~~735~~ - ~~736~~ - ~~737~~ - ~~738~~ - ~~739~~ - ~~740~~ - ~~741~~ - ~~742~~ - ~~743~~ - ~~744~~ - ~~745~~ - ~~746~~ - ~~747~~ - ~~748~~ - ~~749~~ - ~~750~~ - ~~751~~ - ~~752~~ - ~~753~~ - ~~754~~ - ~~755~~ - ~~756~~ - ~~757~~ - ~~758~~ - ~~759~~ - ~~760~~ - ~~761~~ - ~~762~~ - ~~763~~ - ~~764~~ - ~~765~~ - ~~766~~ - ~~767~~ - ~~768~~ - ~~769~~ - ~~770~~ - ~~771~~ - ~~772~~ - ~~773~~ - ~~774~~ - ~~775~~ - ~~776~~ - ~~777~~ - ~~778~~ - ~~779~~ - ~~780~~ - ~~781~~ - ~~782~~ - ~~783~~ - ~~784~~ - ~~785~~ - ~~786~~ - ~~787~~ - ~~788~~ - ~~789~~ - ~~790~~ - ~~791~~ - ~~792~~ - ~~793~~ - ~~794~~ - ~~795~~ - ~~796~~ - ~~797~~ - ~~798~~ - ~~799~~ - ~~800~~ - ~~801~~ - ~~802~~ - ~~803~~ - ~~804~~ - ~~805~~ - ~~806~~ - ~~807~~ - ~~808~~ - ~~809~~ - ~~810~~ - ~~811~~ - ~~812~~ - ~~813~~ - ~~814~~ - ~~815~~ - ~~816~~ - ~~817~~ - ~~818~~ - ~~819~~ - ~~820~~ - ~~821~~ - ~~822~~ - ~~823~~ - ~~824~~ - ~~825~~ - ~~826~~ - ~~827~~ - ~~828~~ - ~~829~~ - ~~830~~ - ~~831~~ - ~~832~~ - ~~833~~ - ~~834~~ - ~~835~~ - ~~836~~ - ~~837~~ - ~~838~~ - ~~839~~ - ~~840~~ - ~~841~~ - ~~842~~ - ~~843~~ - ~~844~~ - ~~845~~ - ~~846~~ - ~~847~~ - ~~848~~ - ~~849~~ - ~~850~~ - ~~851~~ - ~~852~~ - ~~853~~ - ~~854~~ - ~~855~~ - ~~856~~ - ~~857~~ - ~~858~~ - ~~859~~ - ~~860~~ - ~~861~~ - ~~862~~ - ~~863~~ - ~~864~~ - ~~865~~ - ~~866~~ - ~~867~~ - ~~868~~ - ~~869~~ - ~~870~~ - ~~871~~ - ~~872~~ - ~~873~~ - ~~874~~ - ~~875~~ - ~~876~~ - ~~877~~ - ~~878~~ - ~~879~~ - ~~880~~ - ~~881~~ - ~~882~~ - ~~883~~ - ~~884~~ - ~~885~~ - ~~886~~ - ~~887~~ - ~~888~~ - ~~889~~ - ~~890~~ - ~~891~~ - ~~892~~ - ~~893~~ - ~~894~~ - ~~895~~ - ~~896~~ - ~~897~~ - ~~898~~ - ~~899~~ - ~~900~~ - ~~901~~ - ~~902~~ - ~~903~~ - ~~904~~ - ~~905~~ - ~~906~~ - ~~907~~ - ~~908~~ - ~~909~~ - ~~910~~ - ~~911~~ - ~~912~~ - ~~913~~ - ~~914~~ - ~~915~~ - ~~916~~ - ~~917~~ - ~~918~~ - ~~919~~ - ~~920~~ - ~~921~~ - ~~922~~ - ~~923~~ - ~~924~~ - ~~925~~ - ~~926~~ - ~~927~~ - ~~928~~ - ~~929~~ - ~~930~~ - ~~931~~ - ~~932~~ - ~~933~~ - ~~934~~ - ~~935~~ - ~~936~~ - ~~937~~ - ~~938~~ - ~~939~~ - ~~940~~ - ~~941~~ - ~~942~~ - ~~943~~ - ~~944~~ - ~~945~~ - ~~946~~ - ~~947~~ - ~~948~~ - ~~949~~ - ~~950~~ - ~~951~~ - ~~952~~ - ~~953~~ - ~~954~~ - ~~955~~ - ~~956~~ - ~~957~~ - ~~958~~ - ~~959~~ - ~~960~~ - ~~961~~ - ~~962~~ - ~~963~~ - ~~964~~ - ~~965~~ - ~~966~~ - ~~967~~ - ~~968~~ - ~~969~~ - ~~970~~ - ~~971~~ - ~~972~~ - ~~973~~ - ~~974~~ - ~~975~~ - ~~976~~ - ~~977~~ - ~~978~~ - ~~979~~ - ~~980~~ - ~~981~~ - ~~982~~ - ~~983~~ - ~~984~~ - ~~985~~ - ~~986~~ - ~~987~~ - ~~988~~ - ~~989~~ - ~~990~~ - ~~991~~ - ~~992~~ - ~~993~~ - ~~994~~ - ~~995~~ - ~~996~~ - ~~997~~ - ~~998~~ - ~~999~~ - ~~1000~~ - ~~1001~~ - ~~1002~~ - ~~1003~~ - ~~1004~~ - ~~1005~~ - ~~1006~~ - ~~1007~~ - ~~1008~~ - ~~1009~~ - ~~1010~~ - ~~1011~~ - ~~1012~~ - ~~1013~~ - ~~1014~~ - ~~1015~~ - ~~1016~~ - ~~1017~~ - ~~1018~~ - ~~1019~~ - ~~1020~~ - ~~1021~~ - ~~1022~~ - ~~1023~~ - ~~1024~~ - ~~1025~~ - ~~1026~~ - ~~1027~~ - ~~1028~~ - ~~1029~~ - ~~1030~~ - ~~1031~~ - ~~1032~~ - ~~1033~~ - ~~1034~~ - ~~1035~~ - ~~1036~~ - ~~1037~~ - ~~1038~~ - ~~1039~~ - ~~1040~~ - ~~1041~~ - ~~1042~~ - ~~1043~~ - ~~1044~~ - ~~1045~~ - ~~1046~~ - ~~1047~~ - ~~1048~~ - ~~1049~~ - ~~1050~~ - ~~1051~~ - ~~1052~~ - ~~1053~~ - ~~1054~~ - ~~1055~~ - ~~1056~~ - ~~1057~~ - ~~1058~~ - ~~1059~~ - ~~1060~~ - ~~1061~~ - ~~1062~~ - ~~1063~~ - ~~1064~~ - ~~1065~~ - ~~1066~~ - ~~1067~~ - ~~1068~~ - ~~1069~~ - ~~1070~~ - ~~1071~~ - ~~1072~~ - ~~1073~~ - ~~1074~~ - ~~1075~~ - ~~1076~~ - ~~1077~~ - ~~1078~~ - ~~1079~~ - ~~1080~~ - ~~1081~~ - ~~1082~~ - ~~1083~~ - ~~1084~~ - ~~1085~~ - ~~1086~~ - ~~1087~~ - ~~1088~~ - ~~1089~~ - ~~1090~~ - ~~1091~~ - ~~1092~~ - ~~1093~~ - ~~1094~~ - ~~1095~~ - ~~1096~~ - ~~1097~~ - ~~1098~~ - ~~1099~~ - ~~1100~~ - ~~1101~~ - ~~1102~~ - ~~1103~~ - ~~1104~~ - ~~1105~~ - ~~1106~~ - ~~1107~~ - ~~1108~~ - ~~1109~~ - ~~1110~~ - ~~1111~~ - ~~1112~~ - ~~1113~~ - ~~1114~~ - ~~1115~~ - ~~1116~~ - ~~1117~~ - ~~1118~~ - ~~1119~~ - ~~1120~~ - ~~1121~~ - ~~1122~~ - ~~1123~~ - ~~1124~~ - ~~1125~~ - ~~1126~~ - ~~1127~~ - ~~1128~~ - ~~1129~~ - ~~1130~~ - ~~1131~~ - ~~1132~~ - ~~1133~~ - ~~1134~~ - ~~1135~~ - ~~1136~~ - ~~1137~~ - ~~1138~~ - ~~1139~~ - ~~1140~~ - ~~1141~~ - ~~1142~~ - ~~1143~~ - ~~1144~~ - ~~1145~~ - ~~1146~~ - ~~1147~~ - ~~1148~~ - ~~1149~~ - ~~1150~~ - ~~1151~~ - ~~1152~~ - ~~1153~~ - ~~1154~~ - ~~1155~~ - ~~1156~~ - ~~1157~~ - ~~1158~~ - ~~1159~~ - ~~1160~~ - ~~1161~~ - ~~1162~~ - ~~1163~~ - ~~1164~~ - ~~1165~~ - ~~1166~~ - ~~1167~~ - ~~1168~~ - ~~1169~~ - ~~1170~~ - ~~1171~~ - ~~1172~~ - ~~1173~~ - ~~1174~~ - ~~1175~~ - ~~1176~~ - ~~1177~~ - ~~1178~~ - ~~1179~~ - ~~1180~~ - ~~1181~~ - ~~1182~~ - ~~1183~~ - ~~1184~~ - ~~1185~~ - ~~1186~~ - ~~1187~~ - ~~1188~~ - ~~1189~~ - ~~1190~~ - ~~1191~~ - ~~1192~~ - ~~1193~~ - ~~1194~~ - ~~1195~~ - ~~1196~~ - ~~1197~~ - ~~1198~~ - ~~1199~~ - ~~1200~~ - ~~1201~~ - ~~1202~~ - ~~1203~~ - ~~1204~~ - ~~1205~~ - ~~1206~~ - ~~1207~~ - ~~1208~~ - ~~1209~~ - ~~1210~~ - ~~1211~~ - ~~1212~~ - ~~1213~~ - ~~1214~~ - <